

Release Notes

MAG v3.3

Updates

1. Add lat/long lines to product maps covering oceans
2. Add NOAA Logo to all images
3. Use 2.5km input files for RTMA products
4. Add day looping option for all available forecast hours instead of only to day 5
5. Add instructions to Frequently Asked Questions page for bookmarking:
 - a. the latest version of a product for a chosen cycle and forecast hour; and
 - b. the forecast hours available for the latest cycle of a product
6. 'MAG_gempak_' prefix was removed from all script filenames in ush.
7. Fix bug in 2m_temp product that does not show negative temperatures (also fixed in v3.2.1, bug found by SREF testers during v3.3.0 development cycle)
8. Update version to 3.3.0

WCOSS updates

File changed	Update #
gefs_mnsprd.sh	2
gefs_spag.sh	1,2

ghm_full.sh	2
ghm_nested.sh	2
gurtma.sh	2
hiresw.sh	2
hwrf_full.sh	2
hwrf_nested.sh	2
naefs_bc_gesprd.sh	2
nam_gfs_param.sh	2
nam_gfs_precip.sh	2
nam_hiresw.sh	1,2
nam_sim_radar.sh	2
polar_drift.sh	2
rap.sh	2
rtma.sh	2
sref.sh	2,7
ww3.sh	2
MAG.xml	3
MAG_rsync/RAP/rap_rsync.ecf MAG_rsync/RTMA/rtma_guam_rsync.ecf MAG_rsync/RTMA/rtma_rsync.ecf MAG_rsync/GEFS/gefs_spag_rsync.ecf MAG_rsync/GEFS/gefs_msprd_rsync.ecf MAG_rsync/SREF/sref_rsync.ecf MAG_rsync/SKEWT/skewt_rsync.ecf MAG_rsync/HRW/hrw_arw_ak_rsync.ecf MAG_rsync/HRW/hrw_nmm_wus_rsync.ecf MAG_rsync/HRW/hrw_arw_eus_rsync.ecf MAG_rsync/HRW/hrw_nmm_eus_rsync.ecf MAG_rsync/HRW/hrw_nmm_rsync.ecf MAG_rsync/HRW/hrw_arw_wus_rsync.ecf MAG_rsync/HRW/hrw_nmm_ak_rsync.ecf	8

MAG_rsync/HRW/hrw_arw_rsync.ecf
MAG_rsync/WW3/ww3_enp_rsync.ecf
MAG_rsync/WW3/ww3_wna_rsync.ecf
MAG_rsync/WW3/ww3_rsync.ecf
MAG_rsync/GFS/gfs_rsync.ecf
MAG_rsync/HWRF/hwrf_full_rsync.ecf
MAG_rsync/HWRF/hwrf_nested_rsync.ecf
MAG_rsync/POLAR/polar_rsync.ecf
MAG_rsync/UAIR/uair_rsync.ecf
MAG_rsync/NAM/nam_hires_sync.ecf
MAG_rsync/NAM/nam_sim_radar_sync.ecf
MAG_rsync/NAM/nam_rsync.ecf
MAG_rsync/GHM/ghm_full_rsync.ecf
MAG_rsync/GHM/ghm_nested_rsync.ecf
MAG_rsync/NAEFS/naefs_rsync.ecf
mag/RAP/rap_rsync.ecf
mag/RAP/rap_processor.ecf
mag/ecmag_maintain.ecf
mag/RTMA/rtma_guam_processor.ecf
mag/RTMA/rtma_guam_rsync.ecf
mag/RTMA/rtma_processor.ecf
mag/RTMA/rtma_rsync.ecf
mag/GEFS/gefs_mnsprd_rsync.ecf
mag/GEFS/gefs_mnsprd_processor.ecf
mag/GEFS/gefs_spag_processor.ecf
mag/GEFS/gefs_spag_rsync.ecf
mag/GEFS/gefs_msprd_rsync.ecf
mag/SREF/sref_processor.ecf
mag/SREF/sref_rsync.ecf
mag/cleanup/mag_cleanup.ecf
mag/SKEWT/skewt_rsync.ecf
mag/SKEWT/skewt_processor.ecf
mag/HRW/hrw_nmm_wus_processor.ecf
mag/HRW/hrw_arw_ak_rsync.ecf
mag/HRW/hrw_nmm_wus_rsync.ecf
mag/HRW/hrw_arw_wus_processor.ecf
mag/HRW/hrw_arw_eus_rsync.ecf
mag/HRW/hrw_nmm_ak_processor.ecf
mag/HRW/hrw_nmm_eus_rsync.ecf
mag/HRW/hrw_arw_ak_processor.ecf
mag/HRW/hrw_nmm_rsync.ecf
mag/HRW/hrw_arw_eus_processor.ecf
mag/HRW/hrw_arw_wus_rsync.ecf
mag/HRW/hrw_nmm_ak_rsync.ecf
mag/HRW/hrw_nmm_eus_processor.ecf
mag/HRW/hrw_arw_rsync.ecf
mag/WW3/ww3_enp_rsync.ecf

mag/WW3/ww3_enp_processor.ecf mag/WW3/ww3_processor.ecf mag/WW3/ww3_wna_rsync.ecf mag/WW3/ww3_wna_processor.ecf mag/WW3/ww3_rsync.ecf mag/GFS/gfs_processor.ecf mag/GFS/gfs_rsync.ecf mag/HWRF/hwrf_full_rsync.ecf mag/HWRF/hwrf_full_processor.ecf mag/HWRF/hwrf_nested_rsync.ecf mag/HWRF/hwrf_nested_processor.ecf mag/POLAR/polar_rsync.ecf mag/POLAR/polar_processor.ecf mag/UAIR/uair_rsync.ecf mag/UAIR/uair_processor.ecf mag/NAM/nam_sim_radar_processor.ecf mag/NAM/nam_processor.ecf mag/NAM/nam_hires_rsync.ecf mag/NAM/nam_hires_sync.ecf mag/NAM/nam_sim_radar_sync.ecf mag/NAM/nam_hires_processor.ecf mag/NAM/nam_rsync.ecf mag/GHM/ghm_full_rsync.ecf mag/GHM/ghm_nested_rsync.ecf mag/GHM/ghm_nested_processor.ecf mag/GHM/ghm_full_processor.ecf mag/NAEFS/naefs_processor.ecf mag/NAEFS/naefs_rsync.ecf admin/mag/mag_cleanup.ecf	
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Web updates

File	Update #
docs/faq.pdf docs/MAG_Planned_Updates.pdf docs/MAG_Users_Manual.pdf	v3.3.0 updates

Known Issues

Reprocessing of Tropical model files

A situation arises with the Tropical model processing that can result in storm model data being reprocessed, so a storm would reappear on MAG after it has been purged.

The GEMPAK grid files (in /com/nawips/prod) are retained for 10 days. The MAG status files (in /com/mag/prod/status) are purged by `exmag_cleanup_prod.sh.ecf` after 3 days. These status files are used by the `MAG_processor.pl` and `MAG_processor_hurr.pl` to determine which cycles/forecast hours have already been processed. Since the MAG processor script will always try to process the last two cycles that exist (it doesn't check how old they are), if the GEMPAK files are still there after the status files have been purged, it will try to reprocess the last two cycles.

The easiest solution is to update the cleanup script to keep 10 days of all status files. Or only the hurricane model type status files (`hwrp-full`, `hwrp-nested`, `ghm-full`, and `ghm-nested`), since those are the only ones that are run irregularly. Or the cleanup script could access the same table used to purge the /com/nawips/prod directory to match the cleanup of the status files to the GEMPAK files.